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U. S. DEPARTMENT OF AGRICULTURE,
BUREAU OF ANIMAL INDUSTRY.—CIRCULAR 150.

A. D. MELVIN, CHIEF OF BUREAU.

REGULATIONS GOVERNING ENTRANCE TO THE VETERINARY INSPECTOR EXAMINATION.

Effective on and after September 1, 1909.

By and with the consent and approval of the United States Civil Service Commission, the following regulations are hereby promulgated with reference to the matriculation examination and course of instruction in veterinary science at veterinary schools and colleges required to educate and qualify persons for the civil-service examination for the position of veterinary inspector in the United States Department of Agriculture, Bureau of Animal Industry. These regulations also include a list of the schools and colleges at present accredited and qualified to supply the graduates eligible to enter the above-mentioned civil-service examination.

It is distinctly to be understood that no power to direct or control the work of the veterinary schools or colleges is claimed by the Civil Service Commission or by the Department of Agriculture. The regulations which follow merely indicate what are the requirements of the Government as to veterinary schools and colleges whose graduates are admitted to examinations for veterinary inspectors in the Bureau of Animal Industry.

REGULATION I.—Matriculation.

1. A matriculation examination shall be adopted by each veterinary college, the minimum requirements of which shall be equivalent to the second-grade examination as published in the United States Civil

Service Manual of Examinations, supplemented by United States history and geography of the United States and its possessions. Such examination will therefore comprise:

1. Spelling.
2. Arithmetic.
3. Letter writing.
4. Penmanship.
5. Copying from plain copy.
6. United States history.
7. Geography of the United States and its possessions.

2. An applicant having a diploma from a recognized college or a normal or high school shall be eligible for admission to a veterinary college without examination.

REGULATION II.—Dates of holding matriculation examinations.

The entrance examination shall be conducted on one or more specifically advertised dates under the supervision of the dean, director, or, in the case of State institutions, by the official examining board. The last entrance examination shall be held not later than fifteen days subsequent to the advertised annual opening of the college year, and no time credit shall be allowed to students admitted after that date.

REGULATION III.—Filing of matriculation examination papers.

The questions and answers of both successful and unsuccessful applicants shall be kept on file by the institution for at least five years subsequent to the examination of the applicants.

REGULATION IV.—Grading of matriculation examination papers.

Applicants shall be graded upon a basis of 100 per cent, and a grade of not less than 70 per cent shall qualify for admission.

REGULATION V.—Certificate of matriculation examination.

Any person applying for admittance to the freshman class or for advanced standing in a veterinary college shall present before being enrolled a certificate showing that he has passed the matriculation examination required by these regulations, and in no case shall he be admitted without such certificate.

REGULATION VI.—Subjects constituting course of instruction.

The appended list of subjects shall constitute the course of instruction required as a minimum for veterinary colleges. These numerically indicated shall be known as the major subjects, and those designated by letters shall be under the direction of the professors in charge of the allied major subjects.

1. Anatomy :
 - (a) Histology (veterinary).
 - (b) Zoology (veterinary).
 - (c) Embryology.
2. Physiology :
 - (a) Principles of nutrition.
 - (b) Hygiene.
 - (c) Animal locomotion.
3. Zootechnics :
 - (a) Breeds and breeding.
 - (b) Judging.
 - (c) Feeds and feeding.
 - (d) Dairy inspection.
 - (e) Jurisprudence.
4. Chemistry :
 - (a) Elementary physics.
 - (b) Physiological chemistry—analysis of milk, urine, etc.
5. Materia medica :
 - (a) Botany (medical).
 - (b) Pharmacy.
 - (c) Toxicology.
6. Pathology :
 - (a) Bacteriology.
 - (b) Parasitology.
 - (c) Post-mortem examination.
 - (d) Meat inspection.
 - (e) Laboratory diagnosis.
7. Practice of comparative medicine :
 - (a) Diagnostic methods and clinics.
 - (b) Therapeutics.
 - (c) Control of infective diseases.
8. Surgery :
 - (a) Surgical diagnosis and clinics.
 - (b) Surgical restraint.
 - (c) Soundness.
 - (d) Lameness.
 - (e) Shoeing and balancing.
 - (f) Dentistry.
 - (g) Obstetrics.

REGULATION VII.—Length of course.

The course of instruction when given during the day shall cover a period of three years of not less than six and one-half months in each year, exclusive of final examinations and holidays; and this course of instruction shall have as a minimum 150 days of actual teaching in each year and a minimum of 3,000 actual teaching hours for the entire three years. The course of instruction when given at night (after 6 p. m.) shall cover a period of three years of not less than eight and one-half months in each year, exclusive of final examinations and holidays. Such course of night instruction shall have

as a minimum 200 days of actual teaching in each year, and a minimum of 3,000 actual teaching hours for the entire three years, including at least 150 hours of practical clinical instruction, which shall be given in the daytime.

REGULATION VIII.—Minimum number of hours in course.

Anatomy, major subject:

Lectures	200	
Laboratory	300	
		500
Histology—		
Lectures	40	
Laboratory	100	
		140
Embryology—		
Lectures	10	
Laboratory	20	
		30
Zoology—		
Lectures	20	
Laboratory	20	
		40
Total for subject		<u>710</u>

Physiology, major subject:

Lectures	80	
Laboratory	20	
		100
Principles of nutrition	10	
Hygiene	10	
Animal locomotion	5	
		25
Total for subject		<u>125</u>

Zootechnics, major subject:

Breeds and breeding	30	
Judging	30	
Feeds and feeding	30	
Dairy inspection	10	
Jurisprudence	10	
		110
Total for subject		<u>110</u>

Chemistry, major subject:

Lectures	50	
Laboratory	150	
		200
Physics (elementary)	20	
Physiological chemistry—		
Urine analysis	10	
Milk analysis	10	
		20
Total for subject		<u>240</u>

Materia medica, major subject:

Lectures.....	70
Pharmacy, lectures, and laboratory.....	50
Botany.....	30
Toxicology.....	10
Total for subject.....	160

Pathology, major subject:

Lectures.....	40
Laboratory.....	100
Bacteriology—	140
Lectures.....	20
Laboratory.....	90
Parasitology—	110
Lectures.....	50
Laboratory.....	10
Post-mortem examination.....	60
Meat inspection.....	10
Laboratory diagnosis.....	50
Total for subject.....	420

Practice of comparative medicine, major subject:

Lectures.....	250
Diagnostic methods and clinics.....	300
Therapeutics.....	100
Control of infective diseases.....	25
Total for subject.....	675

Surgery, major subject:

Lectures.....	100
Surgical exercises.....	80
Surgical diagnosis and clinics.....	180
Surgical restraint.....	200
Soundness.....	30
Lameness.....	20
Shoeing and balancing.....	50
Dentistry (lectures).....	10
Obstetrics.....	20
Total for subject.....	560

Recapitulation.

Total hours for anatomy group.....	710
Total hours for physiology group.....	125
Total hours for zootechnics group.....	110
Total hours for chemistry group.....	240

Total hours for materia medica group-----	160
Total hours for pathology group-----	420
Total hours for practice of comparative medicine group-----	675
Total hours for surgery group-----	560

Total hours, three-year course-----	3,000
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REGULATION IX.—Transfer of time from one subject to another of same group.

An elasticity may be allowed in the apportionment of the time to the different subjects (or their divisions) under each group to the extent that not more than 25 per cent may be omitted from the time of any one subject, providing this deducted time be added to some other subject or subjects in the same group.

REGULATION X.—Grading of course.

The course shall be graded in such manner as to avoid unnecessary repetition of lectures or instruction to the same student. For example, a student, while freshman, should be required to complete a definitely outlined course in such subjects as anatomy, histology, chemistry, etc. When advanced to the junior class he should either drop the studies of his freshman year and take up new work, or he may continue the same subject; for example, anatomy, along advanced lines of instruction.

REGULATION XI.—Number of veterinarians.

On the faculty of every veterinary college there shall be at least five graduate veterinarians from accredited veterinary colleges teaching major subjects, each of whom shall have had not less than one year's additional training in some accredited veterinary college or three years' experience in teaching or in practicing veterinary science subsequent to graduation from an accredited veterinary college.

REGULATION XII.—Qualifications of teaching veterinarians.

Not more than three of the five veterinarians in charge of major subjects on each college faculty shall be graduates of any one veterinary college, unless they have had at least one year's additional training in another accredited veterinary college.

REGULATION XIII.—Subjects taught by veterinarians.

The five veterinarians on the faculty of each veterinary college shall have charge of the following major subjects: (1) Anatomy; (2)

Practice of Comparative Medicine; (3) Surgery, and any two of the following three subjects: Pathology, Materia Medica, and Physiology.

REGULATION XIV.—Evidence of attendance.

At the end of the college year each student is entitled to and shall receive a written statement giving the length of time spent in each study during the session and the grade received therein. This statement, or definite evidence of credit, shall be exacted from a student before he is given advanced standing in any veterinary college.

REGULATION XV.—Transfer of students.

A student transferring from one accredited veterinary college to another accredited veterinary college shall be given credit only for such time and courses (lectures and laboratory) as he has successfully completed in the institution previously attended. No one of the colleges herein enumerated shall give credit to any student for any work done at colleges not included in this list.

REGULATION XVI.—Applicants from colleges not veterinary.

1. An applicant who has successfully completed at least two years' work in a reputable college of human medicine, dentistry, pharmacy, or agriculture, and who brings an official and explicit certificate describing his course of study and scholarship, and also a certificate of honorable dismissal, shall not be admitted to advanced classes or standing in a veterinary college except as otherwise provided in section 2 of this regulation, but may be given credit for such subjects as have been successfully completed in such colleges if, in the subjects for which credit is sought, said colleges maintain a standard of instruction similar and equal to the minimum standard of requirements established by these regulations.

2. An applicant from a State agricultural college having upon its faculty one or more graduate veterinarians giving a special course in veterinary science may be given a time credit of one year, providing he has a certificate from the college authorities that he has successfully completed at least 1,200 hours in studies as follows:

Anatomy :

Lectures -----	200	
Laboratory -----	300	
		500

Histology :

Lectures -----	40	
Laboratory -----	100	
		140

Embryology :

Lectures -----	10	
Laboratory -----	20	
		30

Zoology :		
Lectures	20	
Laboratory	20	
		40
Physiology :		
Lectures	80	
Laboratory	20	
Principles of nutrition	10	
Hygiene	10	
Animal locomotion	5	
		125
Zootechnics :		
Breeds and breeding	30	
Judging	30	
Feeds and feeding	30	
Dairy inspection	10	
		100
Chemistry :		
Lectures	50	
Laboratory	150	
Physics (elementary)	20	
Milk analysis	10	
		230
Botany		35
Total hours preveterinary course		1, 200

REGULATION XVII.—Agricultural and medical college graduates.

1. A graduate of the regular four-year agricultural course in an agricultural college having upon its faculty a qualified veterinarian giving a regular course of instruction in veterinary science may be given a time credit of one year, but this credit shall apply only to such subjects as he has successfully completed, provided the course of instruction in said agricultural college, in the subjects for which credit is sought, is similar and equal to the minimum standard of requirements in the course indicated in these regulations.

2. A graduate of a reputable college of human medicine on presentation of a diploma from such college may be given a time credit of one year, but this credit shall apply only to such subjects as he has successfully passed, provided the course of instruction in said medical college in the subjects for which credit is sought is similar and equal to the minimum standard of requirements in the course indicated in these regulations.

REGULATION XVIII.—One graduation period only.

No veterinary college shall have more than one graduation period yearly, nor shall diplomas be issued except at the close of the regular college year.

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REGULATION XIX.—Requirements for graduation.

1. A candidate for graduation shall have attained the age of 21 years and attended three full college years in a veterinary college herein recognized (except as otherwise provided in Regulations XVI and XVII); the last year of attendance must have been at the college to which he applies for graduation.

2. He must have successfully completed the course of study and passed all the final examinations in the subjects indicated in these regulations.

3. If he fails to pass satisfactorily in subjects representing in time 25 per cent or more of his senior year, these subjects must again be taken in full with a succeeding class before he can be graduated.

REGULATION XX.—Information for Department of Agriculture.

1. All veterinary colleges shall promptly furnish to the Department of Agriculture a copy of their annual announcements and of all other publications relative to the courses of instruction offered.

2. They shall also furnish: (1) Not later than twenty days after the opening of the first session of each college year, a complete list of their matriculates by classes; and (2) within ten days after the close of the college year, a complete list of the last graduating class.

REGULATION XXI.—Eligibility for United States civil-service examination.

Graduates of the accredited veterinary colleges herein listed shall be eligible at all times for the United States civil-service examination for employment as veterinary inspectors in the Bureau of Animal Industry, subject to the other requirements of the civil-service rules as to fitness, etc.

REGULATION XXII.—Not eligible to civil service.

Hereafter no undergraduate or other person who has not received a diploma from an accredited veterinary college shall be permitted to take the civil-service examination for the position of veterinary inspector.

REGULATION XXIII.—Supervision of veterinary colleges.

The Department of Agriculture shall maintain such supervision of the work of the veterinary colleges as shall enable it to secure the requisite information to determine whether such colleges are faithfully complying with the minimum standard of requirements indicated in these regulations.

REGULATION XXIV.—List of accredited veterinary colleges.

The following list of institutions is approved in lieu of the one previously in force. There will be added thereto, as occasion may arise, upon recommendation of the Department of Agriculture or upon proof made to the Civil Service Commission that any school or college has qualified as provided in these regulations for eligibility, any other veterinary schools or colleges whose courses of study are found to be satisfactory to the Department or to the Commission according to the standards herein established.^a

Chicago Veterinary College.

Cincinnati Veterinary College.

Colorado State College of Agriculture and the Mechanic Arts, Veterinary Department.

Indiana Veterinary College.

Iowa State College, Veterinary Department.

Kansas City Veterinary College.

Kansas State Agricultural College, Veterinary Department.

McKillop Veterinary College.

New York-American Veterinary College.

New York State Veterinary College.

Ohio State University, College of Veterinary Medicine.

San Francisco Veterinary College.

State College of Washington, Veterinary Department.

United States College of Veterinary Surgeons.

University of Pennsylvania, Veterinary Department.

The Grand Rapids Veterinary College is excluded until it complies with these regulations, except as follows: Those graduates who have studied veterinary science at this college for three years may be admitted to examinations.

The Ontario Veterinary College is excluded until it complies with these regulations, except as follows: Those graduated during or prior to 1897 may be admitted to examinations.

Graduates of the following-named colleges, which are not now in session, will be admitted to examinations:

Columbian University, Veterinary School, Washington, D. C.

Harvard University, School of Veterinary Medicine, Boston, Mass.

McGill University, Veterinary Department, Montreal, Canada.

National Veterinary College, Washington, D. C.

Graduates of the following-named foreign colleges will be admitted to examinations:

Glasgow Veterinary College, Glasgow, Scotland.

Royal Veterinary College, London, England.

^a The colleges are arranged in alphabetical order.

Royal Veterinary College of Ireland, Dublin, Ireland.
 Royal (Dick) Veterinary College, Edinburgh, Scotland.
 The New Veterinary College, Liverpool, England.
 Veterinary College of Lemberg, Austria.

Approved.

JAMES WILSON,
Secretary of Agriculture.

Approved (by direction of the Civil Service Commission).

JOHN C. BLACK,
President.

WASHINGTON, D. C., *July 31, 1909.*

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